

227

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/185,908ADATE: 04/15/1999  
TIME: 12:06:57

Input Set: I185908A.RAW

This Raw Listing contains the General Information  
Section and up to first 5 pages.

P. 5

1 <110> APPLICANT: Blaschuk, Orest W.  
2 Gour, Barbara J.  
3 <120> TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING CLAUDIN-MEDIATED  
4 FUNCTIONS  
5 <130> FILE REFERENCE: 100086.409  
6 <140> CURRENT APPLICATION NUMBER: US/09/185,908A  
7 <141> CURRENT FILING DATE: 1998-11-03  
8 <160> NUMBER OF SEQ ID NOS: 269  
9 <170> SOFTWARE: PatentIn Ver. 2.0  
10 <210> SEQ ID NO 1  
11 <211> LENGTH: 8  
12 <212> TYPE: PRT  
13 <213> ORGANISM: Unknown  
14 <220> FEATURE:  
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16 <222> LOCATION: (2) /  
17 <223> OTHER INFORMATION: Where Xaa is either Lysine or Arginine  
18 <220> FEATURE:  
19 <221> NAME/KEY: MOD\_RES  
20 <222> LOCATION: (3) /  
21 <223> OTHER INFORMATION: Where Xaa is an independently selected amino acid  
22 residue  
23 <220> FEATURE:  
24 <221> NAME/KEY: MOD\_RES  
25 <222> LOCATION: (4) /  
26 <223> OTHER INFORMATION: Where Xaa is an independently selected amino acid  
27 residue  
28 <220> FEATURE:  
29 <221> NAME/KEY: MOD\_RES  
30 <222> LOCATION: (5) /  
31 <223> OTHER INFORMATION: Where Xaa is either Serine or Alanine  
32 <220> FEATURE:  
33 <221> NAME/KEY: MOD\_RES  
34 <222> LOCATION: (6) /  
35 <223> OTHER INFORMATION: Where Xaa is either Tyrosine or Phenylalanine  
36 <220> FEATURE:  
37 <221> NAME/KEY: MOD\_RES  
38 <222> LOCATION: (7) /  
39 <223> OTHER INFORMATION: Where Xaa is an independently selected amino acid  
40 residue  
41 <220> FEATURE:  
42 <223> OTHER INFORMATION: Description of Unknown Organism: Consensus  
43 Claudin Cell Adhesion Recognition Sequence  
44 <400> SEQUENCE: 1

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W--> 45      Trp Xaa Xaa Xaa Xaa Xaa Xaa Gly
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      49      <212> TYPE: PRT
      50      <213> ORGANISM: Artificial Sequence
      51      <220> FEATURE:
      52      <223> OTHER INFORMATION: Description of Artificial Sequence: Product of
      53      Synthesis based on Mouse Claudin-1 Cell Adhesion
      54      Recognition Sequence
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      56      Ile Tyr Ser Tyr
      57      1
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      59      <211> LENGTH: 4
      60      <212> TYPE: PRT
      61      <213> ORGANISM: Artificial Sequence
      62      <220> FEATURE:
      63      <223> OTHER INFORMATION: Description of Artificial Sequence: Product of
      64      synthesis based on mouse claudin-2 cell adhesion
      65      recognition sequence
      66      <400> SEQUENCE: 3
      67      Thr Ser Ser Tyr
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      69      <210> SEQ ID NO 4
      70      <211> LENGTH: 4
      71      <212> TYPE: PRT
      72      <213> ORGANISM: Mus musculus
      73      <220> FEATURE:
      74      <223> OTHER INFORMATION: Description of Artificial Sequence: Product of
      75      synthesis based on human, mouse and Monkey CPE-R
      76      cell adhesion recognition sequence
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      78      Val Thr Ala Phe
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      85      <223> OTHER INFORMATION: Description of Artificial Sequence: Product of
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      87      adhesion recognition sequence
      88      <400> SEQUENCE: 5
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      91      <210> SEQ ID NO 6
      92      <211> LENGTH: 42
      93      <212> TYPE: PRT
      94      <213> ORGANISM: Mus musculus
  
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99          20             25             30
100     Gly Gln Ile Gln Cys Lys Val Phe Asp Ser
101          35             40
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103  <211> LENGTH: 42
104  <212> TYPE: PRT
105  <213> ORGANISM: Mus musculus
106  <400> SEQUENCE: 7
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110          20             25             30
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112          35             40
113  <210> SEQ ID NO 8
114  <211> LENGTH: 42
115  <212> TYPE: PRT
116  <213> ORGANISM: Homo sapiens
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121          20             25             30
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123          35             40
124  <210> SEQ ID NO 9
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127  <213> ORGANISM: Mus musculus
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132          20             25             30
133     Gly Gln Met Gln Cys Lys Met Tyr Asp Ser
134          35             40
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136  <211> LENGTH: 42
137  <212> TYPE: PRT
138  <213> ORGANISM: Chlorocebus aethiops
139  <400> SEQUENCE: 10
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143          20             25             30
144     Gly Gln Met Gln Cys Lys Val Tyr Asp Ser

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149 <213> ORGANISM: Homo sapiens
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154             20             25             30
155   Gly Gln Met Gln Cys Lys Val Tyr Asp Ser
156             35             40
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159 <212> TYPE: PRT
160 <213> ORGANISM: Rattus norvegicus
161 <400> SEQUENCE: 12
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164   Gln Ile Thr Trp Glu Gly Leu Trp Met Asn Cys Val Gln Ser Thr Gly
165             20             25             30
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169 <211> LENGTH: 42
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174   Claudin extracellular domain 1 sequence
175 <220> FEATURE:
176 <221> NAME/KEY: MOD_RES
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178 <223> OTHER INFORMATION: Where Xaa is an independently selected amino acid
179   residue
180 <220> FEATURE:
181 <221> NAME/KEY: MOD_RES
182 <222> LOCATION: (4)
183 <223> OTHER INFORMATION: Where Xaa is either Arginine or Lysine
184 <220> FEATURE:
185 <221> NAME/KEY: MOD_RES
186 <222> LOCATION: (5)
187 <223> OTHER INFORMATION: Where Xaa is an independently selected amino acid
188 <220> FEATURE:
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191 <223> OTHER INFORMATION: Where Xaa is an independently selected amino acid
192   residue
193 <220> FEATURE:
194 <221> NAME/KEY: MOD_RES

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195 <222> LOCATION: (7)
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197 <220> FEATURE:
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199 <222> LOCATION: (8)
200 <223> OTHER INFORMATION: Where Xaa is either Tyrosine or Phenylalanine
201 <220> FEATURE:
202 <221> NAME/KEY: MOD_RES
203 <222> LOCATION: (9)
204 <223> OTHER INFORMATION: Where Xaa is an independently selected amino acid
205 residue
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214 <223> OTHER INFORMATION: Where Xaa is either Asparagine or Serine
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227 <220> FEATURE:
228 <221> NAME/KEY: MOD_RES
229 <222> LOCATION: (18)
230 <223> OTHER INFORMATION: Where Xaa is an independently selected amino acid
231 residue
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240 <223> OTHER INFORMATION: Where Xaa is an independently selected amino acid
241 residue
242 <220> FEATURE:
243 <221> NAME/KEY: MOD_RES
244 <222> LOCATION: (21)

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Please Note:

Use 'n' and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Input Set: I185908A.RAW

| Line | ? Error/Warning                       | Original Text                             |
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| 45   | W "N" or "Xaa" used: Feature required | Trp Xaa Xaa Xaa Xaa Xaa Xaa Gly           |
| 299  | W "N" or "Xaa" used: Feature required | Pro Xaa Trp Xaa Xaa Xaa Xaa Xaa Xaa Gly X |
| 301  | W "N" or "Xaa" used: Feature required | Xaa Xaa Xaa Xaa Xaa Gly Leu Trp Met Xaa C |
| 303  | W "N" or "Xaa" used: Feature required | Gly Xaa Xaa Gln Cys Xaa Xaa Xaa Xaa Xaa   |
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| 376  | W "N" or "Xaa" used: Feature required | Xaa Ile Tyr Ser Tyr Cys                   |
| 392  | W "N" or "Xaa" used: Feature required | Xaa Ile Tyr Ser Tyr Cys                   |
| 408  | W "N" or "Xaa" used: Feature required | Xaa Ile Tyr Ser Tyr Cys                   |
| 426  | W "N" or "Xaa" used: Feature required | Xaa Ile Tyr Ser Tyr Cys                   |
| 442  | W "N" or "Xaa" used: Feature required | Xaa Ile Tyr Ser Tyr                       |